

## ABSTRACT

A synchronization signal detection apparatus and a synchronization signal detection method for improving the reading  
5 performance of an input signal after the dissolution of a defect state or the like.

Under a predetermined condition after no synchronization signals  
from an input signal have been detected in predetermined detection  
periods and the interpolation of synchronization signals has been started,  
10 the judgment about whether each of the synchronization signals detected  
from the input signal continuously is detected at normal timing or not is  
performed. Then, according to the judgment result, the  
resynchronization operation of the synchronization signals detected from  
the input signal and reproducing synchronization signals is performed.

15 Thereby, the state in which the synchronization signals having  
different timing from originally expected timing are used owing to the  
interpolation of synchronization signals can be immediately dissolved.